

**Commonwealth of Kentucky  
Environmental and Public Protection Cabinet  
Department for Environmental Protection  
Division for Air Quality  
803 Schenkel Lane  
Frankfort, Kentucky 40601  
(502) 573-3382**

**DRAFT**

**AIR QUALITY PERMIT  
Issued under 401 KAR 52:030**

**Permittee Name:** Baillie Lumber Company  
**Mailing Address:** P.O. Box 623, Leitchfield, KY 42754

**Source Name:** Baillie Lumber Company  
**Mailing Address:** P.O. Box 623  
Leitchfield, KY 42754

**Source Location:** 279 Shaw Station Road, Leitchfield

**Permit ID:** F-07-002  
**Agency Interest #:** 1554  
**Activity ID:** APE20060001  
**Review Type:** Conditional Major / Construction / Operating  
**Source ID:** 21-085-00026

**Regional Office:** Owensboro Regional Office  
3032 Alvey Park Dr. W., Suite 700  
Owensboro, KY 42303  
(270) 687-7304

**County:** Grayson

**Application**  
**Complete Date:** December 5, 2006  
**Issuance Date:** January 10, 2007  
**Revision Date:**  
**Expiration Date:**

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**John S. Lyons, Director  
Division for Air Quality**

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	Permit type	Log or Activity#	Complete Date	Issuance Date	Summary of Action
<b>S-02-097</b>	<b>Initial Issuance</b>	<b>54838</b>	<b>Aug. 20, 2002</b>	<b>Feb. 21, 2002</b>	<b>Initial Construction Permit</b>
<b>F-07-002</b>	<b>Sig. Revision</b>	<b>1554</b>	<b>Dec. 5, 2006</b>	<b>Initial</b>	<b>Significant Revision for installation of a 28.1 mmBTU/hr wood boiler #3</b>

## **SECTION A - PERMIT AUTHORIZATION**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:030, Federally-enforceable permits for non-major sources.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

## **SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **Emission Unit 01 (01)            One Unit Natural Gas Fired Indirect Heat Exchanger**

#### **Description:**

York-Shipley Boiler-Burner rated at 10.043 mmBTU/hr

Construction Completed:     August 1, 1981

#### **APPLICABLE REGULATIONS:**

401 KAR 59:015, New indirect heat exchangers, applicable to an emissions unit with a rated capacity less than 250 mmBTU/hr which commenced operation on or after April 9, 1972.

#### **1.     Operating Limitations:**

To preclude the applicability of 401 KAR 52:020, the operating hours for the boiler shall not exceed 336 hours on any consecutive twelve month total.

#### **2.     Emission Limitations:**

- a. Pursuant to 59:015, Section 4(1)(c), Particulate Matter emissions shall not exceed 0.56 pounds per mmBTU based on a three-hour average.
- b. Pursuant to 59:015, Section 5(1)(c), Sulfur Dioxide emissions shall not exceed 3.0 pounds per mmBTU based on a 24-hour average.
- c. Pursuant to 401 KAR 59:015, Section 4(2), emissions shall not exceed 20 percent opacity based on a six-minute average, except that a maximum of 40% opacity based on a six minute average shall be permitted for not more than 6 consecutive minutes in any consecutive 60 minutes during cleaning the fire-box or blowing soot.
- d. This unit is considered to be in compliance with the PM, SO<sub>2</sub>, and opacity standards while burning natural gas.

#### **3.     Testing Requirements: None**

#### **4.     Specific Monitoring Requirements:**

The permittee shall monitor the fuel usage on a monthly basis.

#### **5.     Specific Record Keeping Requirements:**

The permittee shall record and maintain records of all fuel burned and the hours of operation of the boiler on a daily basis.

#### **6.     Specific Reporting Requirements:**

See Section F

## **SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **Emissions Unit 02 (02) – Lumber Trimming Mill**

#### **Description:**

Wood Processing, sawing, trimming, planning and grinding

Maximum continuous rating: 26,000 bd ft/hr trimming

5,000 bd ft/hr planning

1,500 bd ft/hr gang sawing

2.5 tons/hr wood hog

Emissions Control: Baghouse

Construction Completed over several years after 1981

#### **APPLICABLE REGULATIONS:**

401 KAR 59:010 New Process Operations, applicable to emissions units installed after July 2, 1975.

#### **1. Operating Limitations:**

The baghouse shall be maintained properly and in operation at all times any equipment in this emission unit is operating.

#### **2. Emission Limitations:**

a. Pursuant to 401 KAR 59:010, particulate emissions shall not exceed 34.93 lbs/hr based on a three-hour average. The emissions unit is assumed to be in compliance with the allowable particulate emission limitation if the requirements of Section B, Subsection 7 are met.

b. Pursuant to 401 KAR 59:010, any continuous emissions into the open air shall not equal or exceed twenty percent (20%) opacity.

#### **3. Testing Requirements: None**

#### **4. Specific Monitoring Requirements:**

a. The permittee shall monitor the amount of wood material processed on a daily basis.

b. The permittee shall perform a qualitative visible observation of the opacity emission from the stack on a daily basis and maintain a log of the observations. If visible emissions from the stack are seen, then the opacity shall be determined by EPA Reference Method 9 and, if the opacity reading is greater than 20 percent, then initiate an inspection of the equipment for any repairs.

#### **5. Specific Record Keeping Requirements:**

a. The permittee shall record and maintain records of the amount of wood processed and the hours of operations of the facility.

b. The permittee shall keep all records of routine and non-routine maintenance on the baghouse.

**SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**6. Specific Reporting Requirements:**

See Section F

**7. Specific Control Equipment Operating Conditions:**

- a. Baghouse efficiency must be maintained at 99.90%. Compliance with this requirement shall be demonstrated through maintaining and repairing the baghouse in accordance with manufacturer's recommendations.
- b. Records regarding the maintenance of the baghouse shall be maintained.
- c. See Sections E and F.

## **SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### ***Emissions Unit 03 (05) – Yard Area & Haul Road***

**Description:**

Lumber Yard and Haul Road

**Applicable Regulations:**

401 KAR 63:010, Fugitive emissions is applicable to each affected facility which emits or may emit fugitive emissions and is not elsewhere subject to an opacity standard within the administrative regulations of the Division for Air Quality.

**1. Operating Limitations:** None

**2. Emission Limitations:**

a) Pursuant to 401 KAR 63:010, Section 3, reasonable precautions shall be taken to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, when applicable, but not be limited to the following:

- (i) Application and maintenance of asphalt, water, or suitable chemicals on roads, material stockpiles, and other surfaces, which can create airborne dusts;
- (ii) Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials, or the use of water sprays or other measures to suppress the dust emissions during handling;
- (iii) Maintenance of paved roadway in clean condition;
- (iv) The prompt removal of earth or other material from a paved road which earth or other material has been transported thereto by trucking or other earth moving equipment or carried by water;
- (v) Installation and use of compaction or other measures to suppress the dust emissions during handling.

b) Pursuant to 401 KAR 63:010, Section 3, discharge of visible fugitive dust emissions beyond the property line is prohibited.

**Compliance Demonstration:** Observations and records, if applicable, shall be utilized to demonstrate failure to comply. Otherwise, compliance is assumed when daily observations indicate that the processes and control measures are operating normally.

**3. Testing Requirements:** None

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**4. Specific Monitoring Requirements:**

The permittee shall monitor the lumber yard and road on a daily basis

**5. Specific Record Keeping Requirements: None**

**6. Specific Reporting Requirements: None**

**7. Specific Control Equipment Operating Conditions: None**



## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **Emissions Unit 04 (06) – Wood Fired Indirect Heat Exchanger**

#### **Description:**

Wood Fired Boiler rated at 28.7 mmBTU/hr

Construction Completed: 1995

#### **APPLICABLE REGULATIONS:**

401 KAR 59:015, new indirect heat exchangers, applicable to emissions units with a rated capacity less than 250 mmBTU/hr which commenced on or after April 9, 1972.

401 KAR 60:005, incorporating by reference 40 CFR 60, Subpart Dc, Standards of performance for small industrial-commercial-institutional steam generating units, for units less than or equal to 100 mmBTU/hour but greater than or equal to 10 mmBTU/hour commenced after June 9, 1989

#### **1. Operating Limitations:**

To preclude the applicability of 401 KAR 52:020, the operating hours for the boiler shall not exceed 6000 hours on any consecutive twelve month total.

#### **2. Emission Limitations:**

- a. Pursuant to 401 KAR 59:015, Section 4(1)(c), Particulate emissions shall not exceed 0.41 lb/mmBTU, based on a three hour average.
- b. Pursuant to 401 KAR 59:015, Section 5(1)(c)(2), Sulfur dioxide emissions shall not exceed 2.74 lb/mmBTU, based on a 24-hour average.
- c. Pursuant to 401 KAR 59:015, Section 4(2), emissions shall not exceed 20 percent opacity based on a six-minute average, except that a maximum of 40% opacity based on a six minute average shall be permitted for not more than 6 consecutive minutes in any consecutive 60 minutes during cleaning the fire-box or blowing soot.
- d. Pursuant to 401 KAR 59:015, Section 4(2)(c), emissions shall not exceed 20 % opacity based on a six minute average, except for emissions from an indirect heat exchanger during building a new fire for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer recommendations.

#### **3. Testing Requirements: None.**

#### **4. Specific Monitoring Requirements:**

- a. Permittee shall monitor the amount of wood burned for fuel on a daily basis.
- b. The permittee shall perform a qualitative visible observation of the opacity emission from the stack on a daily basis and maintain a log of the observations. If visible emissions from the stack are seen, then the opacity shall be determined by EPA

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

- c. Reference Method 9 and, if the opacity reading is greater than 20 percent, then initiate an inspection of the equipment for any repairs.

**5. Specific Record Keeping Requirements:**

- a. The permittee shall record the amount of wood burned for fuel and the hours of unit operation on a daily basis.
- b. The permittee shall maintain records of all maintenance, inspection, and visible emission observation logs; all U.S. EPA Reference Method 9 readings; and any corrective actions taken and repairs made to the combustion controls or pollution control devices.

**6. Specific Reporting Requirements:**

See Section F.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **Emissions Unit 05 (07) – Wood Fired Indirect Heat Exchanger**

#### **Description:**

Scrap Wood Fired Boiler rated at 28.1 mmBTU/hr

Construction commenced: Projected January 2007

#### **APPLICABLE REGULATIONS:**

401 KAR 59:015, new indirect heat exchangers, applicable to emissions units with a rated capacity less than 250 mmBTU/hr which commenced on or after April 9, 1972.

401 KAR 60:005, incorporating by reference 40 CFR 60, Subpart Dc, Standards of performance for small industrial-commercial-institutional steam generating units, for units less than or equal to 100 mmBTU/hour but greater than or equal to 10 mmBTU/hour commenced after June 9, 1989

#### **1. Operating Limitations:**

To preclude the applicability of 401 KAR 52:020, the operating hours for the boiler shall not exceed 8436 hours on any consecutive twelve month total.

#### **2. Emission Limitations:**

- a. Pursuant to 401 KAR 59:015, Section 4, particulate matter emissions shall not exceed 0.35 lb/mmBTU actual heat input each based on a three-hour rolling average. Compliance shall be demonstrated using the vendor guaranteed emission factors filed with the Division on September 27, 2006 and December 5, 2006.
- b. Pursuant to 401 KAR 60:005, incorporating by reference 40 CFR 60.43c (d), the particulate matter and opacity standards under this subsection apply at all times, except during periods of startup, shutdown, or malfunction.
- b. Pursuant to 401 KAR 59:015, Section 5(1)(c)(2), Sulfur dioxide emissions shall not exceed 2.15 lb/mmBTU, based on a 24-hour average.
- c. Pursuant to 401 KAR 59:015, Section 4(2), emissions shall not exceed 20% opacity based on a six-minute average, except that a maximum of 40% opacity based on a six minute average shall be permitted for not more than 6 consecutive minutes in any consecutive 60 minutes during cleaning the fire-box or blowing soot.
- d. Pursuant to 401 KAR 59:015, Section 4(2)(c), emissions shall not exceed 20% opacity based on a six minute average, except for emissions from an indirect heat exchanger during building a new fire for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer recommendations.
- e. This unit is considered to be in compliance with the SO<sub>2</sub> standards while burning wood.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****3. Testing Requirements:**

- a. Pursuant to 401 KAR 50:045 and 401 KAR 60:005, incorporating by reference 40 CFR 60.8, within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup following installation of the affected facility; the permittee shall conduct an initial performance test to demonstrate compliance with the particulate, and opacity standards for each emission unit.
- b. Pursuant to 401 KAR 50:045 and 401 KAR 60:005, incorporating by reference 40 CFR 60.45c, Reference Method 5, Method 5B, or Method 17 shall be used to measure the concentration of particulate matter in addition to procedures listed in 40 CFR.45c (a).
- c. Pursuant to 401 KAR 50:045 and 401 KAR 60:005, incorporating by reference 40 CFR 60.45c (a)(8), Reference Method 9 (6-minute average of 24 observations) shall be used for determining the opacity of stack emissions.
- d. Pursuant to 401 KAR 50:045 and 401 KAR 60.005, incorporating by reference 40 CFR 60.11 (e)(1), the initial compliance demonstration for opacity shall be conducted concurrently with the initial compliance demonstration for particulates except as provided for in 40 CFR 60.11 (e). Pursuant to 40 CFR 60.8 (f) and 40 CFR 60.11 (b), three total test runs shall be completed with each test run consisting of a minimum of one-hour in duration (ten 6-minute averages).

**4. Specific Monitoring Requirements:**

- a. The permittee shall monitor the amount of wood burned and hours of operation on a daily basis.
- b. The permittee shall perform a qualitative visible observation of the opacity emission from the stack on a daily basis and maintain a log of the observations. If visible emissions from the stack are seen, then the opacity shall be determined by EPA Reference Method 9 and, if the opacity reading is greater than 20 percent, then initiate an inspection of the equipment for any repairs.

**5. Specific Record Keeping Requirements:**

- a. The permittee shall record the amount of wood burned for fuel and the hours of unit operation on a daily basis.
- b. The permittee shall maintain records of all maintenance, inspection, and visible emission observation logs; all U.S. EPA Reference Method 9 readings; and any corrective actions taken and repairs made to the combustion controls or pollution control devices.

**6. Specific Reporting Requirements:**

See Section F.

## SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Two wood drying Kilns (20)	401 KAR 59:010

## **SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS**

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing FESOP Permits* incorporated by reference in 401 KAR 52:030, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. Particulate matter and sulfur dioxides emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.
3. To preclude the applicability of 401 KAR 52:020, the maximum potential emissions calculation indicates that the 10 mmBTU/hr natural gas boiler shall be operated not more than 336 hours, the 28.1 mmBTU/hr wood fired boiler shall be operated not more than 6000 hours, while the new 28.7 mmBTU/hr boiler operate not more than 8436 hours on any consecutive twelve month total.
4. Pursuant to 401 KAR 50:045 and 401 KAR 60:005, incorporating by reference 40 CFR 60.8, within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup following installation of the affected facility; the permittee shall conduct an initial performance test to demonstrate compliance with the particulate, and opacity standards for the new boiler (EU-05).

## **SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS**

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

## SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)(1) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
  - a. Date, place (as defined in this permit), and time of sampling or measurements;
  - b. Analyses performance dates;
  - c. Company or entity that performed analyses;
  - d. Analytical techniques or methods used;
  - e. Analyses results; and
  - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:030 Section 3(1)(f)1a and Section 1a (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. In accordance with the requirements of 401 KAR 52:030 Section 3(1)f the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
  - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
  - b. To access and copy any records required by the permit;
  - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.
6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:030 Section 22. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.



## SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
  - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within *30 days*. Deviations from permit requirements, including those previously reported under F.7 above, shall *be included in the semiannual report required by F.6* [Section 1b V(3) and (4) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. Pursuant to 401KAR 52:030, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit in accordance with the following requirements:
  - a. Identification of each term or condition;
  - b. Compliance status of each term or condition of the permit;
  - c. Whether compliance was continuous or intermittent;
  - d. The method used for determining the compliance status for the source, currently and over the reporting period.
  - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
  - f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications shall be mailed to the following addresses:

Division for Air Quality  
Owensboro Regional Office  
3032 Alvey Park Drive W.,  
Suite 700 803 Schenkel Lane  
OWENSBORO, KY 42303

Division for Air Quality  
Central Files  
Frankfort, KY 40601

**SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

10. In accordance with 401KAR 52:030, Section 3(1)(d), the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee. If a KYEIS emission survey is not mailed to the permittee, then the permittee shall comply with all other emission reporting requirements in this permit.
11. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.
12. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
  - a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
    - (1) The size and location of both the original and replacement units; and
    - (2) Any resulting change in emissions;
  - b. The potential to emit (PTE) of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
  - c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
  - d. The replacement unit shall comply with all applicable requirements; and
  - e. The source shall notify Regional office of all shutdowns and start-ups.
  - f. Within six (6) months after installing the replacement unit, the owner or operator shall:
    - (1) Re-install the original unit and remove or dismantle the replacement unit; or
    - (2) Submit an application to permit the replacement unit as a permanent change.

## SECTION G - GENERAL PROVISIONS

### 1. General Compliance Requirements

- a. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030 Section 3(1)(b) and is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit [Section 1a (2) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a (5) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030 Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
  - (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030 Section 12;
  - (2) The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
  - (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

- d. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Sections 1a (6) and (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

- e. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030 Section 7(1)].
- f. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a (11) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- g. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a (3) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- h. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens. [Section 1a (12)(b) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- i. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038 Section 3(6) [Section 1a (9) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- j. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:030 Section 11(3)].
- k. This permit does not convey property rights or exclusive privileges [Section 1a (8) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- l. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.
- m. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.
- n. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

- o. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.
- p. Permit Shield – A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
  - (1) Applicable requirements that are included and specifically identified in this permit; and
  - (2) Non-applicable requirements expressly identified in this permit.
- q. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030 Section 3(1)(c)].
- r. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:030 Section 8(2)].

**2. Permit Expiration and Reapplication Requirements**

This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:030 Section 12].

**3. Permit Revisions**

- a. Minor permit revision procedures specified in 401 KAR 52:030 Section 14(3) may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:030 Section 14(2).
- b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

**SECTION G - GENERAL PROVISIONS (CONTINUED)****4. Construction, Start-Up, and Initial Compliance Demonstration Requirements**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction Of the 28.1 mmBTU/hr wood fired boiler Emission Point 05 (07) in accordance with the terms and conditions of this permit.

- a. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.
- b. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
  - (1) The date when construction commenced.
  - (2) The date of start-up of the affected facilities listed in this permit.
  - (3) The date when the maximum production rate specified in the permit application was achieved.
- c. Pursuant to 401 KAR 52:030, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.
- d. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the final draft permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.
- e. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration (*test*) on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements. These performance tests must also be conducted in accordance with General Provisions G.4.h. this permit and the permittee must furnish to the Division for Air Quality's Frankfort Central Office a written report of the results of such performance test.
- f. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

- g. Pursuant to 401 KAR 50:045, Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.
- h. Pursuant to 401 KAR 50:045 Section 5 in order to demonstrate that a source is capable of complying with a standard at all times, a performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirement on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.

**5. Acid Rain Program Requirements**

- a. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

**6. Emergency Provisions**

- a. Pursuant to 401 KAR 52:030 Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
  - (1) An emergency occurred and the permittee can identify the cause of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
  - (4) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
- (5) Notification of the Division does not relieve the source of any other local, state or federal notification requirements.
- b. Emergency conditions listed in General Provision G(f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:030 Section 23(3)].

## SECTION G - GENERAL PROVISIONS (CONTINUED)

- c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:030 Section 23(2)].

### 7. Risk Management Provisions

- a. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center  
P.O. Box 1515  
Lanham-Seabrook, MD 20703-1515.

- b. If requested, submit additional relevant information to the Division or the U.S. EPA.

### 8. Ozone depleting substances

- a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
  - (1) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
  - (2) Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
  - (3) Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
  - (4) Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
  - (5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
  - (6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
- b. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.



**SECTION H - ALTERNATE OPERATING SCENARIOS**

None

**SECTION I - COMPLIANCE SCHEDULE:** None